CLAIMS:

10

15

20

1. An emulsion composition for building materials, comprising as a base a graft copolymerized emulsion obtained by adding to (1) an oil-in-water type emulsion containing at least one organopolysiloxane having the general formula (I):

$$XO \xrightarrow{\begin{pmatrix} R^1 \\ 1 \\ SiO \end{pmatrix}} \begin{pmatrix} Y \\ SiO \\ R^2 \end{pmatrix}_m \begin{pmatrix} Y \\ SiO \\ R^3 \end{pmatrix}_n$$
 (1)

wherein R^1 , R^2 and R^3 each are a monovalent hydrocarbon group or monovalent halogenated hydrocarbon group having 1 to 20 carbon atoms, Y is an organic group containing a radical reactive group or SH group, X is hydrogen, a monovalent lower alkyl group or a group of the formula: $R^1R^2R^4Si$ wherein R^4 is R^1 or Y, and R^1 , R^2 and Y are as defined above, m is an integer of 1 to 10,000, and n is an integer of at least 1, (2) a monomer or monomeric mixture containing at least 70% by weight of at least one monomer selected from acrylic and methacrylic monomers having the general formula (II):

$$\begin{array}{c}
R^{5} \\
CH_{2} = C - COOR^{6}
\end{array} (II)$$

wherein R⁵ is hydrogen or methyl, and R⁶ is an alkyl or alkoxy-substituted alkyl group having 1 to 18 carbon atoms so that the weight ratio of the organopolysiloxane of component (1) and the monomer or monomeric mixture of component (2) is 5:95 to 95:5, and effecting emulsion graft polymerization of component (2) to the organopolysiloxane.

- The emulsion composition of claim 1 wherein component(2) is a monomeric mixture of
- (a) 70 to 98% by weight of at least one monomer selected from acrylic and methacrylic monomers having the general formula (II):

$$\begin{array}{c}
R^{5} \\
| \\
CH_{2} = C - COOR^{6}
\end{array} \tag{II}$$

wherein R^5 is hydrogen or methyl, and R^6 is an alkyl or alkoxy-substituted alkyl group having 1 to 18 carbon atoms,

10

25

30

- (b) 2 to 10% by weight of at least one functional monomer selected from the group consisting of an ethylenically unsaturated amide, an alkylol or alkoxyalkyl-substituted compound of ethylenically unsaturated amide, an ethylenically unsaturated monomer containing an oxirane group, hydroxyl group, carboxyl group, amino group, sulfonate group, phosphate group, polyalkylene oxide group or quaternary ammonium base, a complete ester of a polyhydric alcohol with acrylic or methacrylic acid, allyl acrylate, allyl methacrylate and divinylbenzene, and
- (c) 0 to 20% by weight of an ethylenically unsaturated monomer other than components (a) and (b).
 - 3. The emulsion composition of claim 1 wherein a polymeric product of the monomer or monomeric mixture as component (2) has a glass transition temperature of up to 0°C.
 - 4. The emulsion composition of claim 1, further comprising a liquid organopolysiloxane containing at least three hydrogen atoms each attached to a silicon atom in a molecule as a crosslinker and a catalyst for crosslinking reaction.